

What is claimed is:

1. A laminate for a document comprising:
a polyester laminate formed from different polyester materials, one of the
polyester materials providing a durability property, and another of the polyester materials
5 providing a layer having a surface with bonding property for bonding directly to a core
without adhesive.
2. The laminate of claim 1 wherein the durability property includes a chemical or
mechanical resistance property.
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3. The laminate of claim 1 wherein the bonding property comprises a property for
facilitating bonding directly to TESLIN.
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4. The laminate of claim 1 wherein the material providing the durability property
comprises PCTA.
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5. The laminate of claim 4 wherein the material providing the durability property
comprises A150 PCTA material.
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6. The laminate of claim 1 wherein the material providing the surface with the
bonding property comprises PETG.
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7. The laminate of claim 6 wherein the PETG comprises PETG 5011.
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8. The laminate of claim 6 wherein the PETG comprises PETG 6763.
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9. The laminate of claim 1 wherein material providing the durability property
comprises PCTA and the material providing the surface with the bonding property
comprises PETG.
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10. The laminate of claim 1 wherein the bonding property comprises a property for facilitating bonding directly to a polyester core to enable formation of a polyester document structure without a discernable interface between the polyester laminate and
5 polyester core.

11. A laminate for a document comprising:
a polyester composite material formed from different polyester materials, one of the materials providing an outer surface comprising PCTA, and another of the materials providing an inner surface comprising PETG.

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12. The laminate of claim 11 wherein the PCTA forms a durable outer layer on the PETG.

15 13. The laminate of claim 11 wherein the PETG forms a bonding layer for bonding directly to a document core without adhesive.

14. The laminate of claim 13 wherein the PCTA forms a durable outer layer on the PETG, and the PETG forms a bonding layer for bonding directly to a document core without adhesive.

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15. The laminate of claim 13 wherein the PETG is operable to be bonded directly to a core using a roll to roll or platen press process.

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16. The laminate of claim 15 wherein the core is TESLIN or polyester.

17. A method of making a laminate comprising:
melting a first polyester material in a first melt stream;
melting a second polyester material different from the first in a second melt stream;

joining the first and second melt streams; and
cooling the joined streams to form a polyester laminate in which the first polymer material provides a chemical or mechanical resistance property and the second polymer provides a bonding property for bonding directly to a core.

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18. The method of claim 17 wherein the first polyester comprises PCTA.

19. The method of claim 17 wherein the second polyester comprises PETG.

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20. A method of making a laminate comprising:
providing a first polyester material comprising PCTA;
providing a second polyester material comprising PETG;
joining the first and second polyester materials to form a polyester laminate including PCTA and PETG.

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21. The method of claim 20 wherein the joining comprises a roll to roll process.

22. The method of claim 20 wherein the joining comprises an extrusion coating process.

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23. The method of claim 20 wherein the joining comprises a coextrusion process.

24. The method of claim 20 wherein the joining comprises a platen press process.

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25. The method of claim 20 wherein the joining comprises an injection molding process.

26. The method of claim 20 wherein the joining comprises an extrusion molding process.

27. A method of making a laminated document comprising:
providing a first polyester material comprising PCTA;
providing a second polyester material comprising PETG;
5 joining the first and second polyester materials to form a polyester laminate
including PCTA and PETG;
printing information on a core layer; and
joining the polyester laminate to the core layer directly using the PETG to bond
the laminate to the core.

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28. The method of claim 27 wherein the joining of the laminate to the core layer
comprises a roll to roll process.

15 29. The method of claim 27 wherein the joining of the laminate to the core layer
comprises a platen press process.

30. An laminated document comprising:
a laminate including a first polyester material comprising PCTA and a second
polyester material comprising PETG;
20 a core layer bonded directly to the laminate using a bonding property of the
PETG.

31. The document of claim 30 wherein the core layer comprises TESLIN.

25 32. The document of claim 30 wherein the core layer comprises polyester, such
that when the laminate is bonded directly to the laminate, there is no discernable interface
between the laminate and the core.